

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-8 (Cancelled)

Claim 9 (Currently Amended): A solar collector, comprising a distributor frame and a plurality of heat exchanger-exchangers, wherein each heat exchanger comprising comprises:

a vacuum tube having an inner wall, wherein the vacuum tube is a glass tube;

a fluid-conducting pipe system adapted to hold a fluid, wherein the fluid-conducting pipe system comprises an outer wall connected to the distributor frame;

at least one heat-conducting element made of metal connecting the inner wall of the vacuum tube to the outer wall of the fluid-conducting pipe system; and

means for collecting and concentrating solar energy provided on a side of the inner wall of the vacuum tube facing away from the at least one heat-conducting element, wherein the outer wall of the fluid conducting pipe system is a metal wall, wherein each heat-conducting element extends in a spiral shape along a cross-section of the heat exchanger, covers an angle of at least 450 degrees, is attached at the outer wall of the fluid-conducting pipe system and prestressed against the inner wall of the vacuum tube and the fluid-conducting pipe system, such that the outer wall of the fluid-conducting pipe system is centered concentric to the inner wall of the vacuum tube, wherein the vacuum tube is resiliently connected to the distributor frame via the prestressed heat conducting elements.

Claims 10-14 (Cancelled)

Claim 15 (Previously Presented): The heat exchanger as claimed in claim 9, wherein the heat exchanger has two heat-conducting elements, wherein two of the heat-conducting elements are spaced apart from one another in an angular arrangement on an outer

wall of the fluid-conducting pipe system over an angular range between 350 to 359 degrees or between 90 and 179 degrees.

Claim 16 (Previously Presented): The heat exchanger as claimed in claim 9, wherein the fluid-conducting pipe system comprises an outer volume and an inner volume operable in a counter-current mode.

Claim 17 (Previously Presented): The heat exchanger as claimed in claim 9, wherein the fluid is a heat-conducting fluid, and the fluid is contained within the inner tube.

Claim 18 (Previously Presented): The heat exchanger as claimed in claim 9, wherein the at least one heat-conducting element is hard-soldered at the outer wall of the fluid-conducting pipe system.